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Washington, DC 20460

ORIGINAL

Document Description

Focus Notes P02-283 + 284

Date

3/5/02

Final

FOCUS REPORT
New Chemicals Program

PART I: BACKGROUND

Written By: TKP

FOCUS DATE: 2/14/02

FOCUS CHAIR: F. Chow

COMPANY: Seppic, Inc.

CASE NUMBER(S): P02-0283 through P02-0284 and

PART II: SAT RESULTS

HEALTH: 1-2 ECOTOX: * OCCUPATIONAL EXPOSURE: 1-2 CONSUMER EXPOSURE: ** ENVIRONMENTAL RELEASES: ***

ADDITIONAL SAT INFORMATION: *Ecotox: P02-0283: 1, P02-0284: 2
**Non-Occ: P02-0283: 1, P02-0284: 3
***Envir: P02-0283: 0-1, P02-0284: 3



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PART III: OTHER FACTORS

- a. PRODUCTION VOLUME: [REDACTED] kg/yr
- b. PROD VOL OTHER: ***Binding Option Not Marked***
- c. USE:
1. Foaming and Wetting Surfactant for Industrial and Industrial Cleaning (50%)
 2. Oil Well Borehole Emulsifier and Cleaner (50%)

d. REGULATORY HISTORY:



e. TEST DATA:

f. IMPORTED ☒ MANUFACTURED ☐ BOTH ☐

g. MSDS: ☒

h. CATEGORY: [REDACTED] CATEGORY 2:

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PART IV: SUMMARY OF SAT ASSESSMENT

CASE NUMBER: P02-0283/0284

FATE: Liquid

LogKow = 0.86(E); S (25°C) = 26 g/L/Disp.(E); H < 1.00E-8(E)

MP (C) <20(E); BP (C) > 400(E); VP @ 25C (mm) < 1.0E-6(E)

LogKoc = 1.00(E); LogBCF = 0.50(E);

POTW removal (%) = 90-99 via biodeg; OECD 301B(Mod Sturm): 78%/28d.

Time for complete ultimate aerobic biodeg = wk

PBT Potential: P1B1T1

Sorption to soils/sediments = low

HEALTH: Absorption is poor from the skin, moderate from the GI tract, and good from the lung (analog); expect digestion of the glucose in the GI tract. Concern for surfactant effects on the lung; irritation to eye (delayed irritation to eyes based on [REDACTED]), skin (chronic), mucous membranes and lung based on surfactant properties of the compounds.

ECOTOX: 0283: Submitted test data are summarized on MSDS from literature article and inadequate for assessment.

Predicted (P) and measured (M) toxicity values in mg/L (ppm) are:

fish 96-h LC50 = 110.0 P

daphnid 48-h LC50 = 110.0 P

green algal 96-h EC50 >= 110.0 P

fish chronic value = 20.0 P

daphnid ChV = 20.0 P

algal ChV = 30.0 P

Predictions are based on SARs for [REDACTED]; SAR chemical class = [REDACTED]; log Kow of the hydrophile unit (one

glucose) = the log Kow for EO5 (SRC); [REDACTED]; pH7; effective

concentrations based on 100% active ingredients and mean measured concentrations; hardness

<180.0 mg/L as CaCO3; and TOC <2.0 mg/L;

low concern for toxicity;

assessment factor = 10.0

concern concentration = 1.0 mg/L (ppm)

0284: Submitted test data are summarized on MSDS from literature article and inadequate for assessment;

Predicted (P) and measured (M) toxicity values in mg/L (ppm) are:

fish 96-h LC50 = 14.0 P

daphnid 48-h LC50 = 14.0 P

green algal 96-h EC50 >= 14.0 P

fish chronic value = 3.0 P

daphnid ChV = 3.0 P

algal ChV => 4.0 P

Predictions are based on SARs for [REDACTED]; SAR

chemical class = [REDACTED]; [REDACTED];

pH7; effective concentrations based on 100% active ingredients and mean measured concentrations;

hardness <180.0 mg/L as CaCO3; and TOC <2.0 mg/L;

moderate concern for toxicity;

assessment factor = 10.0

concern concentration = 0.300 mg/L (ppm)

PART V: SUMMARY OF EXPOSURE/RELEASE

Use #1:

[REDACTED]

Fate:

Mixing Zone:

Water concentration: [REDACTED]

Fish Ingestion: acute [REDACTED]

>COC: exceedance

Landfill:ADD: P02-0283: [REDACTED]

Landfill:ADD: P02-0284: [REDACTED]

Use #2:

[REDACTED]

Fate:
SWC:
DW:ADR:
>COC: no exceedance

PART VI: FOCUS DECISION AND RATIONALE

DISPOSITION: Drop

RATIONALE: P02-0283-0284 were dropped from further review based on low human health and ecotoxicity risk. Potential risk to human health was low based on negligible inhalation exposures and low dermal exposures. Concerns for potential risks to the environment from P02-0283 were low based on low toxicity. Potential risks to the environment from P02-0284 were low based on no significant exceedance of the COC (300 ppb) during Use #1.

PART VII: CCD DISPOSITION / DD

CCD: